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| **Group-2 (3rd/4th Year::Signal Processing Track)** | | |
| **Course code** | **Course name** | **L-T-P-C** |
| CS201 | Computer Organization | 3-0-0-3 |
| EE311 | Device Electronics for Integrated Circuits | 3-0-0-3 |
| EE305 | Digital Signal Processing | 3-1-0-4 |
| EE608 | Digital Image Processing | 3-0-2-4 |
| EE522 | Matrix Theory | 3-0-0-3 |
| EE5XX | Probability and Random Processes | 4-0-0-4 |
| CS669 | Pattern Recognition | 3-1-0-4 |
| CS507 | Computer Architecture | 3-0-2-4 |

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| **Group-1 (3rd/4th Year::Microelectronics, VLSI and Embedded Systems Track)** | | |
| Course code | Course name | L-T-P-C |
| CS201 | Computer Organization | 3-0-0-3 |
| EE311 | Device Electronics for Integrated Circuits | 3-0-0-3 |
| EE520 | Microelectronic Devices and Modelling | 3-0-0-3 |
| EE512 | CMOS Analog IC Design | 3-0-2-4 |
| EE516 | Biomedical Systems | 2.5-0.5-2-4 |
| EE524 | Digital MOS LSI Circuits | 3-0-0-3 |
| EE622 | Microwave Integrated Circuits | 3-0-0-3 |
| EE615 | Nanoelectronics and nano-microfabrication | 3-0-0-3 |

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| **Group-3 (3rd/4th Year::Communication Track)** | | |
| Course code | Course name | L-T-P-C |
| CS201 | Computer Organization | 3-0-0-3 |
| EE311 | Device Electronics for Integrated Circuits | 3-0-0-3 |
| EE621 | Radiating Systems | 3-1-0-4 |
| EE5XX | Probability and Random Processes | 4-0-0-4 |
| EE522 | Matrix Theory | 3-0-0-3 |
| EE622 | Microwave Integrated Circuits | 3-0-0-3 |

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| **Group-4 (3rd/4th Year::Power Electronics and Power Systems Track)** | | |
| **Course code** | **Course name** | **L-T-P-C** |
| CS201 | Computer Organization | 3-0-0-3 |
| EE311 | Device Electronics for Integrated Circuits | 3-0-0-3 |
| EE504 | Switched Mode Power Conversion | 2.5-0.5-0-3 |
| EE508 | Fundamentals of Electric Drives | 3-0-0-3 |
| EE527 | Analysis and Design of Power Electronic Converters | 3-0-0-3 |
| EE528 | Modeling and Analysis of Electric Machines | 3-0-0-3 |